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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/602,679	06/25/2003	Katsuya Suzuki	06753.0553	1971
22852	7590	12/15/2005	EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413			CHARLES, MARCUS	
			ART UNIT	PAPER NUMBER
			3682	

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/602,679	Applicant(s) SUZUKI ET AL.	
	Examiner Marcus Charles	Art Unit 3682	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10-01-03 & 6/25/03</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is the first action relating serial application number 10/602,679, filed 06-25-2003.

Claims 1-5 are currently pending.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. The examiner has accepted the drawing filed with this application.

Specification

The disclosure is objected to because of the following informalities: in page 12, line 19 and 21, "27" should be --27a-- and in page 9, line 19, "member" should --body--. Appropriate correction is required.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 4 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thorum et al. (US2002/0111730) in view of Hentschel et al. (6,577,025). Thorum et al. disclose a transmission (10) comprising a transmission housing; a wire circuit body (66, 88) formed by bending the wire into a shape of predetermined flex coil pattern; a

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base member (28) allowing the wires to be disposed on the surface and allowing electronic components to be mounted thereon; a cover (36) being fixed to the base member (28) so that the wires are disposed on the base member (28); the wire circuit, the base (28) and the cover (36) constitutes a main body unit and being disposed inside the transmission case (see fig. 2). Thorum et al. do not disclose the wire is a rigid cable. Hentschet et al. discloses it is known for the flexible wire to be flexible cable. Although the prior art fails to disclose rigid cable, the term "rigid" is subjective and relative and it is inherent that in all rigid cables that can be bent, some degree of flexibility exists in the cable. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the flexible coil wire of Thorum et al. So that it is a flat cable in view of Hentschet et al. in order to the system can withstand a surge in the supply of energy without failing or damaging the circuit system.

In claim 4, Hentschel et al. also disclose the conductive wire (10) is connected at the intermediate position to the circuitry. It is apparent that the insulating of the section of the wire is to be joined is peeled off so as to allowed the connecting section to be joined either by soldering or welding (see fig. 2).

In claim 5, it is apparent that the tip portion of is formed into a terminal.

5. Claims 2 and 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Thorum et al. in view of Hentschel et al. as applied to claim 1 above, and further in view of Yoshigi et al. (5,729,436). Thorum et al. fails to disclose the grooves for housings the cables. Hentschel et al. discloses an electrical connection housing having a base member (21) and a cover (22) wherein the cover and the housing includes grooves (25)

for accommodating the electrical wire in order to guide the wire and to avoid shut circuiting the wire. Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to further modify the circuit housing of Thorum et al. to include the limitation of Hentschel et al. in order to guide the wires and to avoid shut circuiting the wires.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Thorum et al. (6,612,202), Kakiage (6,530,856) disclose an electrical casing for a vehicle transmission.


Loibl et al. (6,160,708) and Dennis (5,349,747) and Baker, III et al. (5,911,594) discloses a cable connector with grooves therein.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcus Charles whose telephone number is (571) 272-7101. The examiner can normally be reached on Monday-Thursday 7:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ridley Richard can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Marcus Charles
Primary Examiner
Art Unit 3682
December 10, 2005